



# LARC



Volume 57, Number 3

ACADIANA AMATEUR RADIO ASSOC., INC. — a 501(c)3 Corporation

March 2017

## President's Message

The Club Work Day which was held at Danny and Kathy Daigle's QTH KD5JSM & KD5TJZ on February 11, 2017 was a huge success! Before delving into the details, I first want to thank everyone that came out to help. Your efforts made an overwhelming task enjoyable. I also want to thank Danny & Kathy Daigle for their incredible hospitality. When we arrived at their QTH, they had already set up a canopy located next to the storage container complete with table, chairs, and ice cold sodas.

Once the introductions were exchanged the team began pulling all AARA related items out of the storage container. A photograph was captured for each item deemed appropriate for sale which was then paired with a description and item number. Any items on the existing inventory were reconciled and any new items were written down so they may be added to the inventory at a later date.

With all of the items removed from the container and everything cataloged it was then time to move all of the items back into storage. We first moved a few larger items around within the container to make room for a single long hallway which made storing the antennas and poles much easier. Time was taken to bundle associated antenna parts together to make it easier to identify them in the future.

After all of the items were safely stowed away the team dispersed and the on-site work was done. The next step was to gather the images and descriptions together to create an online list of auction items that was distributed to the board members for approval. The list is now available for all members to view at: <http://w5ddl.org/2017-aara-auction.html>. The items contained on that list will be auctioned off at the March 2<sup>nd</sup> General Meeting. Any remaining items will then be sold at the upcoming Hamfest.

In closing I would again like to thank everyone that helped with updating the inventory. It is always inspiring to see and feel the camaraderie of our amazing club. With that in mind, I ask all club members to please do their best to help out at the upcoming Hamfest.

Eric Credeur KG5JHP  
AARA President  
Email: [eric@ericcredeur.com](mailto:eric@ericcredeur.com)

## FYI

Don't forget the AARA 57<sup>th</sup> Hamfest 2017 taking place in Rayne, Louisiana at the Rayne Civic Center on Friday March 10<sup>th</sup> at 3:00 PM to 8:00 PM and Saturday March 11<sup>th</sup> from 8:00 AM to 3:00 PM. Check out our website at:

<http://www.w5ddl.org/hamfest/>

You can download and view the hamfest flyer and schedules of events for both days. If you send in your pre-registration form for the Crawfish Boil and admission, you can save \$3.00 on door admission. Form must be sent in before March 6<sup>th</sup>.

.....

If you have not paid your club membership dues before April 1<sup>st</sup>, you will be removed from the online membership roster and your e-mail address will be moved to the non-member list on Herman's e-mail reflector. A application form for new members or renewals can be found at:

[http://www.w5ddl.org/aara\\_membership\\_appl.pdf](http://www.w5ddl.org/aara_membership_appl.pdf)

**DO YOUR PART TO HELP KEEP AMATEUR RADIO ALIVE!**

## AARA March 2017 General Meeting

Thursday March 2, 2017 at 7:00 PM at the Lafayette Science Museum - 433 Jefferson St, Lafayette, LA 70501 at 7:00 PM. A excess equipment auction from the club inventory will take place. Hamfest details will be discussed.

**There will not be any VE Testing at this meeting. VE Testing will take place at the AARA Hamfest in Rayne on Saturday March 11 @ 9:00 AM.**

## AARA "After the Hamfest Banquet"

Saturday March 18 at 6:00 PM at the Lafayette Science Museum - this is a "covered dish" affair so members are asked to bring some kind of dish - the club will furnish the main dish and soft drinks. New officers will be installed, a hamfest report given, and drawings for the lucky member that attended the General Meetings during the last year and the top check-in to the AARA Monday Night 2 Meter Net. **No VE Testing at this meeting.**

See meeting location details at:  
<http://www.w5ddl.org/clubsite/>

**DATES TO REMEMBER****GENERAL MEETING**

March 2, 2017 @ 7:00 PM  
Lafayette Science Museum  
433 Jefferson St. Lafayette, LA  
VE Testing @ Hamfest Only  
<http://www.w5ddl.org/clubsite/>

**Local 2-Meter Nets**

Monday

AARA Monday Night Net 7:00 PM  
Repeater Rotation - See calendar on page 7.

Tuesday

Acadiana ARES Net 7:00 PM  
145.370 - PL 103.5 Lafayette, LA

Wednesday

Silent Key Memorial Net  
145.410 No PL New Iberia, LA

Thursday

Youth Net 7:00 PM  
146.820 - PL 103.5 Lafayette, LA

**AARA OFFICERS 2017 - 2018**

President - Eric Credeur KG5JHP  
[eric@ericcredeur.com](mailto:eric@ericcredeur.com)

Vice Pres. - Larry LeBlanc KE5KJD

Secretary - Ramona Jobe KG5HNO

Treasurer - Tom Dischler W5OHJ

**BOARD MEMBERS**

Glen Thibodeaux KF5FNP

Ric Wallace KF5KEL

Archie Hill W5AG

Page Romero KG5VPR

**QSL MANAGER**

Roland Guidry - NA5Q

**NEWSLETTER EDITOR & PUBLIC INFORMATION OFFICER**

Herman Campbell - KN5GRK  
337-234-5364 [kn5grk@lusfiber.net](mailto:kn5grk@lusfiber.net)

**AARA REPEATER GROUP**

Charlie Morrison N5WE - Trustee

Derek Meche WM5TS

Dave Redfern N4ELM

Glen Thibodeaux KF5FNP

**LCARC DELEGATES**

Fred Marshall W5MLE

Glen Thibodeaux KF5FNP

**FEBRUARY 2, 2017 AARA BOARD MEETING MINUTES**

The board meeting was opened by Eric KG5JHP club President.

Eric mentioned that he is looking into a new web hosting site with unlimited web space.

Tom W5OHJ discussed the proposition of obtaining club equipment insurance through the ARRL at \$1.40 per \$100.00 unlimited coverage per year, that will cover all the club equipment, AMOS II, antenna trailer and repeaters. Tom will research further on this project. We will have to inventory and put a replacement price on all equipment, this will be done hopefully before Field Day. The club will offer equipment that we do not want to keep to club members first, then put what is left over for sale at the hamfest.

The club is considering into buying a large number of Baofeng UV-5R HT's at a greatly reduced price to be used at our hamfest drawings. New club members will be able to purchase a programmed Baofeng HT for \$25.00 and receive a one year AARA membership. These HT's will be purchased from one of our hamfest vendors. As soon as we determine the quantity needed, the purchase will be made and delivered in time for our March hamfest.

Changes in the General Meeting schedule will be as follows:

1. Meeting called to order
2. Opening Prayer and Pledge of Allegiance
3. Treasurer's Report.
4. Last month meeting minutes
5. Presentation
6. Old Business
7. New Business
8. Prize Drawings
9. Meeting adjourned

The Board Meeting adjourned at 6:45 PM and board members present were:

President - Eric Credeur KG5JHP, Treasurer - Tom Dischler, Glen Thibodeaux KF5FNP, Ric Wallace KF5KEL and Herman Campbell KN5GRK.

Minutes submitted by Herman KN5GRK in absence of Secretary Ramona Jobe KG5HNO.

**FEBRUARY 2, 2017 AARA GENERAL MEETING MINUTES**

The January 5<sup>th</sup> General Meeting was called to order at 7:00 PM with a prayer from Tom W5OHJ, the pledge of Allegiance was recited by all.

New hams and upgrades from the VE Test Session and new club members were introduced to club.

The January 2017 Treasurer's Report and the General Meeting Minutes were given and accepted. The Treasurer's Report is not made public, any club member needing this information should contact Tom W5OHJ.

**Presentation:** Steve Mahler KF5VH gave a in depth explanation of the 145.370 Sky-Warn repeater system using video graphics and real time operation of the many features of this system, such as IRLP, AllStar, EchoLink, and State and National linking of repeaters.

This system is pretty well complicated and you might want to go to the website to fully understand all the features.

<http://www.w5ddl.org/clubsite/repeater.htm>

Thanks to Steve for his 537 repeater presentation.

**New Business****Club Officers Election:**

Tom W5OHJ presented the nomination

committee's slate of officers to members.

Nominations for new officers were taken from the floor for each office. The only nomination from the floor for President was Chris Ancelet KG5MCY who did not win. Nominations from the floor for other officers failed to turn up anyone. Elections were held and this is the outcome:

➔ **President:** Eric Credeur KG5JHP

➔ **Vice President:** Larry LeBlanc KE5KJD

➔ **Secretary:** Ramona Jobe KG5HNO

➔ **Treasurer:** Tom Dischler W5OHJ

➔ **Board Member:** Chris Ancelet KG5MCY, Glen Thibodeaux KF5FNP, Paula Romero KF5CNU

➔ **Youth Member:** Paige Romero KG5VPR

The new officers will be installed at the March 18<sup>th</sup> Hamfest Banquet.

**Hamfest Update:**

Glen Thibodeaux KF5FNP, Hamfest Chairman, gave a updated rundown on the upcoming March 10<sup>th</sup> & 11<sup>th</sup> AARA Hamfest making sure all the duties of those involved in the hamfest are covered.

(General Meeting Minutes continued on page 3 column 1)

The LARC is published monthly  
by the:  
Acadiana Amateur Radio Association, Inc.  
P. O. Box 51174  
Lafayette, Louisiana 70505-1174



## JANUARY 2017 VE TEST RESULTS

It was a good night in Lafayette @ the test session. We were graced with two new Technicians & two upgrades to General.

Those receiving a Technician were: Benjamin's T. Black of Lafayette who received the call KG5RSR & Christopher S. Bily of Youngsville who received the call KG5RSS.

Those upgrading to General Class were Bobby Blanchard KG5KFK of Lafayette, LA & Jackie Wallace KF5PCH of Lafayette, LA.

The VE's assisting @ this session were: Greg K5LFT, RIC KF5KEL, Galen KF5BET, Steve KF5VH, Dave N4ELM, John W4HVH & Kendra KF5FYS.

TNX to the VEs & those testing for studying !!!!!!!

### General Meeting Minutes

(from page 2 columns 2 & 3)

#### Old Business

**Club Inventory:** Date set for Saturday, February 11<sup>th</sup> at the QTH of Danny Daigle KD5JSM using the 146.82 repeater for directions. A price will be placed on all the club assets, club will determine what we will keep, excess equipment will be offered to club members first prior to our March Hamfest and the remaining equipment will be sold at the March Hamfest.

Jim Bookter N5NVP (LA Affiliated Club Coordinator) made an announcement on behalf of the Louisiana Memorial Scholarship Fund. Jim thanked the club for their annual donation and asked us to continue to do so to help send a young amateur radio operator to college.

#### Drawing for Door Prizes:

Meeting adjourned at 9:15 PM.  
38 in attendance.

Minutes submitted by Herman KN5GRK in absence of Secretary Ramona Jobe KG5HNO.

## Louisiana Youth Wins The Dave Kelter Youth DX Adventure Essay Contest

Congrats go to 12 year old Bryant Rascoll KG5HVO of New Orleans, Louisiana who is winner of the Dave Kelter Youth DX Adventure Essay Contest.

The Prize: Alinco SR8T radio, Jetstream 12 Volt 30amp power supply (or equivalent), Jetstream JTV 680 no radial vertical antenna (or equivalent), 100 ft of coax antenna line with PL259 connections and he will be headed to Costa Rica this summer to take part in the YDXA DXpedition.

YDXA co-founder Todd Dubon, KD4YHY, made the award presentation at the January 26 meeting of the Jefferson Amateur Radio Club — Bryant's home club.

Bryant got his ticket in May 2015, after being introduced into Amateur Radio through the Boy Scouts Radio Merit Badge program. He's chasing DXCC on phone and is a budding CW contester. I had the pleasure of meeting Bryant last November at the Greater New Orleans Hamfest.

Congrats again Bryant!

73

David Norris K5UZ  
ARRL Delta Division Director



Bryant Rascoll, KG5HVO, is flanked by his mom, Lauren, and his dad, Tim, following his award presentation.



## LOUISIANA QSO PARTY 2017

Sponsored by the Louisiana Contest Club

We invite you to take part in the Louisiana Qso Party (LaQP) for 2017, which will be held on March 18. The event will run from 9AM local to 9PM local. (1400 UTC - 0200 UTC). Complete rules are available in html or pdf at the links below.

We are encouraging more LA stations to participate, and have contacted several rovers who plan to activate many Parishes (counties), including some of the more rare ones. Be sure to look for N5LCC, the bonus station, which will be running CW, SSB and RTTY, handing out as many contacts and bonus points as possible.

Check out our website below for rules, log sheet, Louisiana Parish Abbreviations, and other information.

<http://laqp.org/>



## Winter Field Day 2017 - Crowley, Louisiana

By Chris Ancelet KG5MCY

January 28<sup>th</sup> marked Winter Field Day for 2017. I had originally decided that I was going to operate portable on my own but when I mentioned it to a few AARA Members, the idea of hosting an event started to grow legs. With the number of willing participants beginning to grow, I elected to find a suitable location to accommodate the growing number of local hams. I reached out to the Acadia Parish Police Juror's office and asked for permission to use the grassy area of the Rice Arena in Crowley. Without hesitation, I was immediately granted access but was told there would be a "small benefit" (horse show/event) the same day. Considering that we would be setting up our portable antennas in the far corner of the property, there would be no way for us to impede on this "small benefit" and from there I knew we would have ample room for 4-5 stations if needed.

I arrived 06:45 on January 28<sup>th</sup> to an empty pasture with temperatures hovering in the mid to upper 40's. With a hot cup of coffee, (Dunkin Donuts), I began to visually picture the individual stations that would be arriving that morning and mentally sketched out their location.

I started to pullout a "truck full" of gear and began setting up my station. For this day, I would be using a G5RVjr 10-40 antenna set up to my truck's hitch that uses the 4ft military poles. I was able to obtain a height of about 20-22 feet which would get me right over that NVIS threshold. I would be using my Icom 718 Go-Kit and would be running SSB voice only. Being that Mr. Ric Wallace (KF5KEL) and Mr. Paul McCasland (N5KNY), introduced me to the digital modes, I have been spoiled lately and decided that a voice only station would get me back into the groove.

After nearly completing my set up, I heard Tom (W5OHJ), call out on 2 meters. I answered him from my truck and he advised that he was about 10 minutes out. Once Tom arrived we agreed to a band plan so we wouldn't walk over each other. Tom immediately began to string out items and setting up his gear as though he was running late and was trying to catch up with me.

After Tom was complete with his go kit, we sipped our coffee, put a few more articles of clothing on, and began to shoot the breeze. After several minutes of chit-chat, we decided it was time to make a few contacts. 20 meters was displaying relatively good conditions and Tom quickly began filling up his log sheet. 40 meters, on the other hand, was pretty dismal and I struggled to make the 3 contacts that I did make. I switched over to 17 meters and was able to begin making some contacts as far as Venezuela.

As other members began to arrive, I believe we spent more time catching up with conversation rather than making contacts. Mr. John Woods (KG5FMP) arrived and set up his portable antenna on 80 @ 160 meters but struggled with band conditions like I did on 40 meters.

As more members are arriving, so are more people for the "small benefit" that was taking place at the arena. Horse trailers upon horse trailers were setting up in the grassy area. They exercised their horses around our antenna area and some even stopped for a moment to inquire about our operations. Making small talk, most of them were intrigued but continued about their business and really paid us little attention. However, horse trailers were still arriving and I was beginning to think that I should have asked for the definition of "small benefit" when obtaining permission.



(continued on page 5 column 1)

**Winter Field Day 2017 (continued from page 4 column 2)**

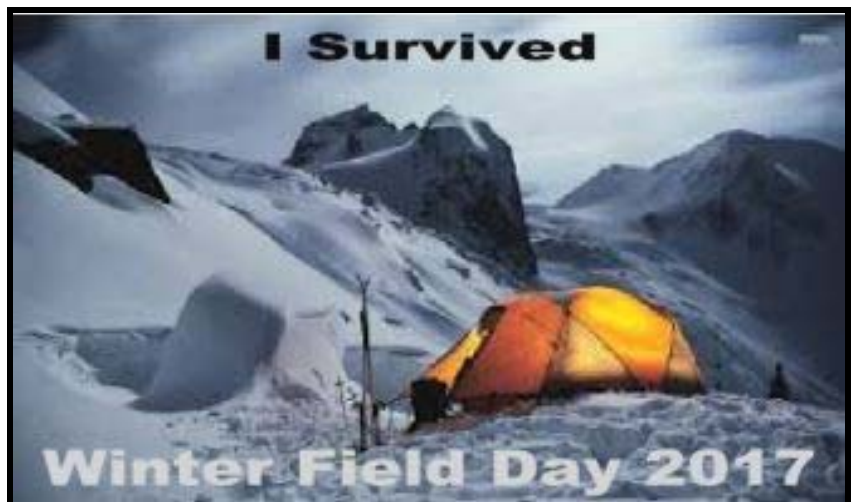
Several other members arrived and we shared in conversation with everyone. Many were interested in the portable setups that were being used, some were interested in understanding more about the antennas, and some just wanted to drop by to say hello. As we continued to make contacts, Mr. Bobby Blanchard (KG5KFK), manned a station and was able to make his first HF contact with a Special Event Station in Arizona like a pro. It was a pleasurable experience to be able to share in that contact. As the morning progressed, we were quickly approaching the start of Winter Field Day (1PM CST) and apparently we were also approaching the start of the “small benefit”. None the less, we still had members and non-members filtering in and out; either making contacts or just sharing stories.

1PM was upon us and Field Day was starting. We were prepared with our exchanges; “Please copy 1 – Oscar - Lima Alpha. This is all that you heard as we made contacts and did our best to break through the pileups. Tom and I were surprised in the number of individuals operating from an “indoor location”. We chuckled as we made fun of those Yankees in the northern states who were battling sub-freezing temperatures...after all, by this time, it was 55 degrees and that could easily be considered sub-freezing here in SW Louisiana. We continued to make contacts well into the contest despite less than favorable band conditions. By this time, Tom and I noticed that the number of members, who had come out, was beginning to dwindle and the number of Cow Pokes was continuing to grow. It didn’t take long for the faint smell of horses and manure was beginning to cause a little ORM at our stations. We elected to call it a day and head for the house. We broke down poles, rolled up coax, and packed everything neatly away and traversed our way through the maze of horse trailers and drove away into the sunset.

As I begin to digress, I would be doing this article, as well as the readers, a tremendous disservice to attempt to individually list everyone who came down to participate. Whether you stopped by to operate, check out a Go-Kit, have small talk, or help with set up, it is always nice to have the opportunity to fellowship with other hams and make new friends. Perhaps next time we will have a sign in roster just to make the recognition and I will ask for the definition of “small benefit”. (Photos by Chris KG5MCY)



73,  
Chris Ancelet - KG5MCY





## Vice President's Message

By Larry Leblanc KE5KJD

In the January issue of the LARC, I touched on the subject of noise as it relates to our hobby of ham radio. The links in that article give excruciating detail about noise sources and how to determine their location and in some cases how to reduce or remove the noise.

I have personally been actively finding and reducing my noise at my home station during my recuperation from my recent surgery, which by the way went very well. Thanks for all the prayers. After some success, I got to the point where I had to ask the question: "How do I know when I have removed the majority of my noise? Is it when I get to S4 or S2 or S0 on the meter?"

The real answer is of course that you never finish reducing your noise but only get it to the point of diminishing returns for your efforts and money or to the point of having noise sources you can do nothing about except to relocate your ham station. A search of the internet turned up an article with the following graph:

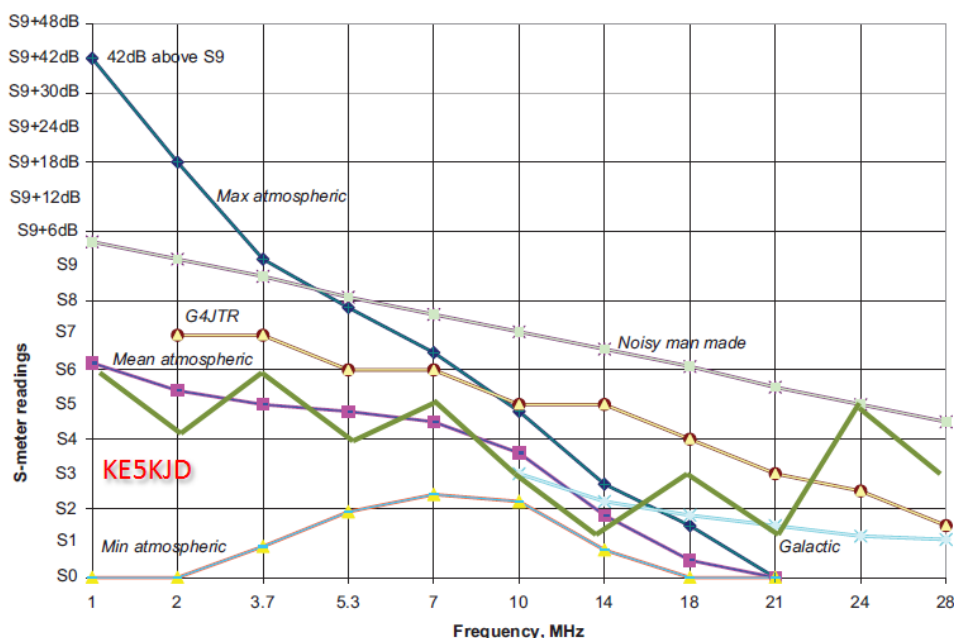


FIGURE 3: S-meter readings of natural noise level plus man made noise.

This graph has several interesting noise contributions showing minimum, median, and max atmospheric noise and the noise profile for a noisy man-made environment and the noise readings for the ham station of G4JTR, who considers his station to be slightly more noisy than most. This graph shows how much variation you might experience with atmospheric noise. Measure your station base level noise (where you do not hear a station) in SSB mode with about 2.0 to 2.7 kHz bandwidth. If there are lightning crashes, set your AGC to "FAST" and try to read the minimum of the fluctuating S meter reading. Compare with G4GTR for some indication of your noise problem. Note that this reading will vary depending on time of day and propagation and lightning activity, so take multiple readings during the day and night. See the full article for more information.

<http://g4fkh.co.uk/wp-content/uploads/2012/07/August-2012-RadCom.pdf>

(continued on next column)

My station readings using a 136 ft OCFD wire antenna at 44 ft is shown in the above graph in green. Not too bad and seems to track the median atmospheric noise and seems to be a little better than the results of G4JTR.

You have probably heard on the air some long-time ham state that "I can work all the stations I can hear." If that is the case, then most likely that station has serious problems with noise. With high levels of noise, the only stations he will hear well are strong stations that are above his noise level. Those below the noise level he will never hear (and never work). Further, his signal will transmit well irrespective of the noise and the station on the other end who may not have the same noise level will be able to hear him well, making for a good QSO. If you have very low noise at your station site, you would most likely hear many weak stations who will not be able to hear your transmission because of propagation, polarization at the receiving site, or noise at the receiving site. Another way to evaluate your station is to listen for weak DX and see if you can copy him as well as other hams in your locale.



Father's Day is a day for children of any age to honor their father. Fathers are very special men, who, along with mothers, share the responsibility for building and maintaining the family unit. Father's Day is celebrated on the third Sunday in June of each year.

## FEBRUARY 2017 AREA 2 METER NET REPORTS

| NET                      | SESSIONS: | TOTAL CHECK-INS: | TOTAL TRAFFIC: | TOTAL TIME: Minutes | Net Manager                  |
|--------------------------|-----------|------------------|----------------|---------------------|------------------------------|
| AARA Monday Night Net    | 4         | 63               | 2L - ØP        | 110                 | KE5HSY Linda                 |
| Acadiana ARES Net        | 4         | 64               | 1L -ØP         | 202                 | KN5GRK Herman                |
| Silent Key Memorial Net  | 4         | 38               | Ø              | 65                  | KG5HNO Ramona                |
| Youth Thursday Night Net | 4         | 80               | Ø              | 174                 | KF5BEW Abbi<br>KF5FYS Kendra |

Old age is not as bad as I thought. It's a good feeling when you just don't give a hoot anymore and you feel happy just to wake up in the morning.

## AARA Monday Night 2 Meter Net Rotation

Linda Breaux KE5HSY is the new AARA Monday Night Manager and she will be setting up the net rotations in the future. Each Monday will have a rotating NCS as listed below. Here is the March 2017 rotation list.

| DATE:      | TIME:   | REPEATER:     | PL TONE: | NCS          |
|------------|---------|---------------|----------|--------------|
| 03/06/2017 | 7:00 PM | 147.150 W5OPL | 103.5    | Danny KD5JSM |
| 03/13/2017 | 7:00 PM | 145.410       | NONE     | Paul N5KNY   |
| 03/20/2017 | 7:00 PM | 443.000 W5DDL | 103.5    | Eric KG5JHP  |
| 03/27/2017 | 7:00 PM | 146.820 W5DDL | 103.5    | Chris KG5MCY |

When using the SkyWarn 145.370 repeater, be sure to use the receiver PL Tone for your area as follows:  
NW Quadrant 114.8 - NE Quadrant 127.3 - SW Quadrant 141.3 - SE Quadrant 94.8.

The March 2017 schedule can be downloaded and printed in Adobe Acrobat .PDF from the club website at:  
<http://www.w5ddl.org/clubsite/news/htm>

## AARA Hamfest Bingo Update

The AARA 57<sup>th</sup> Annual Hamfest 2017 will feature Ladies Bingo on Saturday March 11, 2017 from 8:30 AM to 11:30 AM. That is 3 hours of bingo for only \$10.00 per person. Over 30 nice prizes to be given away.

When you arrive at the main entrance, tell them that you are looking to play bingo, you will then be directed to the bingo room.

**HAVE FUN !**



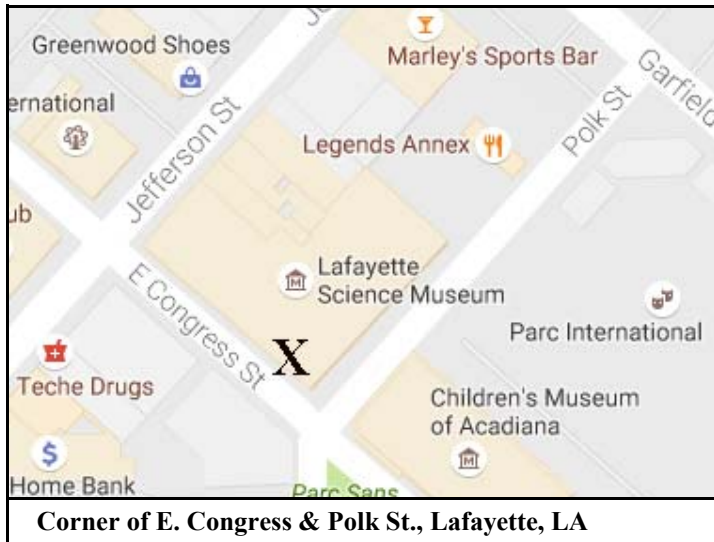
### UPCOMING BIRTHDAYS

|      |        |         |
|------|--------|---------|
| 3/4  | KG5PUM | SHANE   |
| 3/5  | KG5PHJ | EUGENE  |
| 3/5  | KG5PHK | DONALD  |
| 3/6  | KG5JTB | SONYA   |
| 3/13 | KG5NCA | BILL    |
| 3/13 | KF5LUL | JESS    |
| 3/13 | K5FNQ  | ART     |
| 3/16 | KK6EWB | INGO    |
| 3/19 | N5QWA  | TERRY   |
| 3/19 | KG5QKG | GARY    |
| 3/21 | KG5JHP | ERIC    |
| 3/26 | KG5IRS | SYNOMEN |
| 3/31 | NØJA   | TERRY   |
| 4/3  | KF5AHM | JAMES   |
| 4/6  | KE5JXC | ARNOLD  |
| 4/7  | KB1NRO | MICHAEL |
| 4/8  | KF5BET | GALEN   |

Some members failed to put their birthdays on their applications for renewal / membership causing some names to be missing from the list.



**Acadiana Amateur Radio Assoc., Inc.**  
**P. O. Box 51174**  
**Lafayette, LA 70505-1174**  
**Website: <http://www.w5ddl.org>**



Share the Fun -  
Bring a Friend to be a  
HAM !



**COMPLIMENTARY  
ISSUE**

**AARA GENERAL MEETING**  
**Thursday March 2 @ 7:00**  
**March VE Testing @ Hamfest Only**  
**Lafayette Science Museum**  
Check 146.820 PL 103.5 - repeater for info.

## **Corned Beef and Cabbage**

<http://passthesushi.com/corned-beef-and-cabbage/>

### **Ingredients:**

- |   |                                       |
|---|---------------------------------------|
| 1 5-6 pounds corned beef, with packet   | 1 onion, peeled                       |
| 2 pounds small red potatoes             | 1 head cabbage, divided into 6 wedges |
| 1 pound carrots, peeled and cut in half |                                       |

### **Preparation:**

Fill a large stock pot with enough water to cover corned beef. Place beef, and contents of seasoning packet if included with purchase, in stock pot and bring to a simmer. Cook for 2 to 3 hours, until a toothpick or wooden skewer can be inserted easily into the meat.

Preheat oven to 200 degrees. Remove beef from water and place in roasting pan with a ladle of cooking liquid. Place in oven to keep warm.

Meanwhile, place potatoes, carrots, and onion in the stock pot and bring to a boil, cooking for 10 minutes. Add cabbage and boil an additional 10 minutes.

Remove beef from oven and slice against the grain. Serve with drained vegetables.



## **FCC Information Service**

Toll Free (WATS) for Amateur Radio license inquiries about new/vanity call signs: 1-888-225-5322 This will connect you the FCC National Call Center, handled by the FCC's Consumer Information Bureau. Amateurs having ULS problems or questions should contact the FCC's ULS Technical Support staff at: 202-414-1250 or:  
[ulscomm@fcc.gov](mailto:ulscomm@fcc.gov).

FCC Website:

<http://wireless.fcc.gov/uls/>

New call sign information can also be obtained from the ARRL/VEC at 860-594-3000.

<http://www.arrl.org/arrlvec>

The mailing address to the FCC is:

Federal Communications Commission,  
445 12th Street SW  
Washington, DC 20554